Analytical Sciences

November 03, 2005

Stephen Knuttel
SCS Engineers
3645 Westwind Blvd
Santa Rosa, CA 95403

Dear Stephen,

Enclosed you will find Analytical Sciences' final report 5102404 for your J.E. McCaffrey project. An invoice for this work is enclosed.

Should you or your client have any questions regarding this report please contact me at your convenience. We appreciate you selecting Analytical Sciences for this work and look forward to serving your analytical chemistry needs on projects in the future.

Sincerely,

Analytical Sciences

Mark A. Valentini

Mark A. Valentini, Ph.D.

Laboratory Director

P.O. Box 750336
Petaluma, CA 94975-0336
Telephone: (707) 769-3128

110 Liberty Street
Petaluma, CA 94952

Analytical Sciences

Report Date: November 03, 2005

Laboratory Report

Stephen Knuttel
SCS Engineers
3645 Westwind Blvd
Santa Rosa, CA 95403

Project Name: **J.E. McCaffrey** **01203335.00**

Lab Project: **5102404**

This 4 page report of analytical data has been reviewed and approved for release.

Mark A. Valentini, Ph.D.

Laboratory Director

P.O. Box 750336
Petaluma, CA 94975-0336
Telephone: (707) 769-3128

110 Liberty Street
Petaluma, CA 94952

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
5102404-01	**DW-376**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	11	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.9	104	70-130
Toluene-d8	20.9	104	70-130
4-Bromofluorobenzene	20.6	103	70-130

Date Sampled:	10/21/05	Date Analyzed:	10/26/05	QC Batch: B000218
Date Received:	10/24/05	Method:	EPA 8260B	

Quality Assurance Report

Volatile Hydrocarbons by GC/MS in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000218 - EPA 5030 GC/MS										
Blank (B000218-BLK1)				Prepared & Analyzed: 10/17/05						
Benzene	ND	1.0	ug/L							
Toluene	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
m,p-Xylene	ND	1.0	ug/L							
o-Xylene	ND	1.0	ug/L							
Tertiary Butyl Alcohol (TBA)	ND	25	ug/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	ug/L							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/L							
Tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/L							
Surrogate: Dibromofluoromethane	*26.1*		*ug/L*	*20.0*		*130*	*70-130*			
Surrogate: Toluene-d8	*19.3*		*ug/L*	*20.0*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*18.5*		*ug/L*	*20.0*		*92*	*70-130*			
Matrix Spike (B000218-MS1)		**Source: 5101404-09**		Prepared & Analyzed: 10/17/05						
1,1-Dichloroethene (1,1-DCE)	23.5	1.0	ug/L	25.0	ND	94	70-130			
Benzene	21.5	1.0	ug/L	25.0	ND	86	70-130			
Trichloroethene (TCE)	21.9	1.0	ug/L	25.0	ND	88	70-130			
Toluene	21.5	1.0	ug/L	25.0	ND	86	70-130			
Chlorobenzene	21.9	1.0	ug/L	25.0	ND	88	70-130			
Surrogate: Dibromofluoromethane	*19.8*		*ug/L*	*20.0*		*99*	*70-130*			
Surrogate: Toluene-d8	*19.9*		*ug/L*	*20.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*19.0*		*ug/L*	*20.0*		*95*	*70-130*			
Matrix Spike Dup (B000218-MSD1)		**Source: 5101404-09**		Prepared & Analyzed: 10/17/05						
1,1-Dichloroethene (1,1-DCE)	20.2	1.0	ug/L	25.0	ND	81	70-130	15	20	
Benzene	21.8	1.0	ug/L	25.0	ND	87	70-130	1	20	
Trichloroethene (TCE)	22.0	1.0	ug/L	25.0	ND	88	70-130	0	20	
Toluene	22.6	1.0	ug/L	25.0	ND	90	70-130	5	20	
Chlorobenzene	22.1	1.0	ug/L	25.0	ND	88	70-130	0	20	
Surrogate: Dibromofluoromethane	*18.5*		*ug/L*	*20.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*20.8*		*ug/L*	*20.0*		*104*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.0*		*ug/L*	*20.0*		*100*	*70-130*			

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference

Analytical Sciences
P.O. Box 750336, Petaluma, CA 94975-0336
110 Liberty Street, Petaluma, CA 94952
(707) 769-3128

CHAIN OF CUSTODY

LAB PROJECT NUMBER: 5102404
SCS ENGINEERS PROJECT NAME: JE McCaffery
SCS ENGINEERS PROJECT NUMBER: 01203335.00

CLIENT INFORMATION

COMPANY NAME: SCS ENGINEERS
ADDRESS: 3645 WESTWIND BOULEVARD
SANTA ROSA, CA 95403
CONTACT: Stephen Knuttel
PHONE#: (707) 546-9461
FAX #: (707) 544-5769

BILLING INFORMATION

CONTACT: Jim McCaffery
COMPANY NAME: JE McCaffery Co.
ADDRESS: 365 Todd Road
Santa Rosa, CA 95407
PHONE#: 707-769-4412
FAX #:

TURNAROUND TIME (check one)

MOBILE LAB			
SAME DAY		24 HOURS	
48 HOURS		72 HOURS	
5 DAYS		NORMAL	✓

GEOTRACKER EDF: X Y ___N
GLOBAL ID: T0609700270

COOLER TEMPERATURE
_____ °C

COC

PAGE __1__ OF __1__

ANALYSIS

ITEM	CLIENT SAMPLE I.D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESV. YES/NO	TPH/GAS/BTEX EPA 8015M/8020	TPH DIESEL / MOTOR OIL EPA 8015M	VOLATILE HYDROCARBONS EPA 8260 (FULL LIST)	EPA 8260 Full List + Oxy / Fuel Additives	BTEX & OXYGENATES +~~DD SCAVENGERS~~ EPA 8260B	OXYGENATED FUEL ADDITIVES EPA 8260M	CHLORINATED SOLVENTS	SEMI-VOLATILE HYDROCARBONS EPA 8270	TRPH / TOG SM 5520F / EPA 418.1M	PESTICIDES / PCB'S EPA 8081 / 8141 / 8082	CAM 17 METALS / 5 LUFT METALS	TOTAL LEAD	Natural Attenuation	COMMENTS	LAB SAMPLE #
1	DW-376	10/21/05	330	LIQ	3/2	Yes					X									5102404-	01
2					1 vial	broken															
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					

SIGNATURES

RELINQUISHED BY:	DATE::	TIME:	
RECEIVED BY:	DATE::	TIME:	RECEIVED BY LABORATORY:
RELINQUISHED BY:	DATE::	TIME:	
RECEIVED BY:	DATE:	TIME:	SIGNATURE

10/24/05 — DATE
11:30 — TIME

Analytical Sciences

November 03, 2005

Stephen Knuttel
SCS Engineers
3645 Westwind Blvd
Santa Rosa, CA 95403

Dear Stephen,

Enclosed you will find Analytical Sciences' final report 5102405 for your J.E. McCaffrey project. An invoice for this work is enclosed.

Should you or your client have any questions regarding this report please contact me at your convenience. We appreciate you selecting Analytical Sciences for this work and look forward to serving your analytical chemistry needs on projects in the future.

Sincerely,

Analytical Sciences

Mark A. Valentini

Mark A. Valentini, Ph.D.

Laboratory Director

P.O. Box 750336
Petaluma, CA 94975-0336
Telephone: (707) 769-3128

110 Liberty Street
Petaluma, CA 94952

Analytical Sciences

Report Date: November 03, 2005

Laboratory Report

Stephen Knuttel
SCS Engineers
3645 Westwind Blvd
Santa Rosa, CA 95403

Project Name: **J.E. McCaffrey** **01203335.00**

Lab Project: **5102405**

This 4 page report of analytical data has been reviewed and approved for release.

Mark A. Valentini, Ph.D.

Laboratory Director

P.O. Box 750336
Petaluma, CA 94975-0336
Telephone: (707) 769-3128

110 Liberty Street
Petaluma, CA 94952

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)		RDL (ug/L)
5102405-01	**DW-369**	Benzene	ND	(1)	1.0
		Toluene	ND		1.0
		Ethylbenzene	ND		1.0
		m,p-Xylene	ND		1.0
		o-Xylene	ND		1.0
		Tertiary Butyl Alcohol (TBA)	ND		25
		Methyl tert-Butyl Ether (MTBE)	28		1.0
		Di-isopropyl Ether (DIPE)	ND		1.0
		Ethyl tert-Butyl Ether (ETBE)	ND		1.0
		Tert-Amyl Methyl Ether (TAME)	ND		1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.1	100	70-130
Toluene-d8	19.9	100	70-130
4-Bromofluorobenzene	19.0	95	70-130

Date Sampled:	10/21/05	Date Analyzed:	10/28/05	QC Batch: B000218
Date Received:	10/24/05	Method:	EPA 8260B	

Quality Assurance Report

Volatile Hydrocarbons by GC/MS in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000218 - EPA 5030 GC/MS										
Blank (B000218-BLK1)				Prepared & Analyzed: 10/17/05						
Benzene	ND	1.0	ug/L							
Toluene	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
m,p-Xylene	ND	1.0	ug/L							
o-Xylene	ND	1.0	ug/L							
Tertiary Butyl Alcohol (TBA)	ND	25	ug/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	ug/L							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/L							
Tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/L							
Surrogate: Dibromofluoromethane	*26.1*		*ug/L*	*20.0*		*130*	*70-130*			
Surrogate: Toluene-d8	*19.3*		*ug/L*	*20.0*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*18.5*		*ug/L*	*20.0*		*92*	*70-130*			
Matrix Spike (B000218-MS1)		**Source: 5101404-09**		Prepared & Analyzed: 10/17/05						
1,1-Dichloroethene (1,1-DCE)	23.5	1.0	ug/L	25.0	ND	94	70-130			
Benzene	21.5	1.0	ug/L	25.0	ND	86	70-130			
Trichloroethene (TCE)	21.9	1.0	ug/L	25.0	ND	88	70-130			
Toluene	21.5	1.0	ug/L	25.0	ND	86	70-130			
Chlorobenzene	21.9	1.0	ug/L	25.0	ND	88	70-130			
Surrogate: Dibromofluoromethane	*19.8*		*ug/L*	*20.0*		*99*	*70-130*			
Surrogate: Toluene-d8	*19.9*		*ug/L*	*20.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*19.0*		*ug/L*	*20.0*		*95*	*70-130*			
Matrix Spike Dup (B000218-MSD1)		**Source: 5101404-09**		Prepared & Analyzed: 10/17/05						
1,1-Dichloroethene (1,1-DCE)	20.2	1.0	ug/L	25.0	ND	81	70-130	15	20	
Benzene	21.8	1.0	ug/L	25.0	ND	87	70-130	1	20	
Trichloroethene (TCE)	22.0	1.0	ug/L	25.0	ND	88	70-130	0	20	
Toluene	22.6	1.0	ug/L	25.0	ND	90	70-130	5	20	
Chlorobenzene	22.1	1.0	ug/L	25.0	ND	88	70-130	0	20	
Surrogate: Dibromofluoromethane	*18.5*		*ug/L*	*20.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*20.8*		*ug/L*	*20.0*		*104*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.0*		*ug/L*	*20.0*		*100*	*70-130*			

Notes and Definitions

(1) The following additional compound was detected: Vinyl Chloride (1.4 ug/l)

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

Analytical Sciences
P.O. Box 750336, Petaluma, CA 94975-0336
110 Liberty Street, Petaluma, CA 94952
(707) 769-3128

CHAIN OF CUSTODY

LAB PROJECT NUMBER: 510240S

SCS ENGINEERS PROJECT NAME: JE McCaffery

SCS ENGINEERS PROJECT NUMBER: 01203335.00

CLIENT INFORMATION		BILLING INFORMATION	
COMPANY NAME:	SCS ENGINEERS	CONTACT:	Jim McCaffery
ADDRESS:	3645 WESTWIND BOULEVARD	COMPANY NAME:	JE McCaffery Co.
	SANTA ROSA, CA 95403	ADDRESS:	365 Todd Road
CONTACT:	Stephen Knuttel		Santa Rosa, CA 95407
PHONE#:	(707) 546-9461	PHONE#:	707-769-4412
FAX #:	(707) 544-5769	FAX #:	

TURNAROUND TIME (check one)

MOBILE LAB			
SAME DAY		24 HOURS	
48 HOURS		72 HOURS	
5 DAYS		NORMAL	✔

GEOTRACKER EDF: X Y ___ N

GLOBAL ID: T0609700270

COOLER TEMPERATURE

_____ °C

COC

PAGE __1__ OF __1__

ITEM	CLIENT SAMPLE I..D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESV. YES/NO	ANALYSIS: TPH/GAS/BTEX EPA 8015M/8020	TPH DIESEL / MOTOR OIL EPA 8015M	VOLATILE HYDROCARBONS EPA 8260 (FULL LIST)	EPA 8260 Full List + Oxy / Fuel Additives	BTEX & OXYGENATES ~~+PB SCAVENGERS~~ EPA 8260B	OXYGENATED FUEL ADDITIVES EPA 8260M	CHLORINATED SOLVENTS	SEMI-VOLATILE HYDROCARBONS EPA 8270	TRPH / TOG SM 5520F / EPA 418.1M	PESTICIDES / PCB'S EPA 8081 / 8141 / 8082	CAM 17 METALS / 5 LUFT METALS	TOTAL LEAD	Natural Attenuation	COMMENTS	LAB SAMPLE #
1	DW-369	10/21/05	1143	LIQ	3	Yes					x									510240S -	01
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					

SIGNATURES

RELINQUISHED BY:	DATE::	TIME:	
RECEIVED BY:	DATE::	TIME:	RECEIVED BY LABORATORY:
RELINQUISHED BY:	DATE::	TIME:	
RECEIVED BY:	DATE:	TIME:	SIGNATURE

10/24/05 1130
DATE TIME

Analytical Sciences

November 03, 2005

Stephen Knuttel
SCS Engineers
3645 Westwind Blvd
Santa Rosa, CA 95403

Dear Stephen,

Enclosed you will find Analytical Sciences' final report 5102406 for your J.E. McCaffrey project. An invoice for this work is enclosed.

Should you or your client have any questions regarding this report please contact me at your convenience. We appreciate you selecting Analytical Sciences for this work and look forward to serving your analytical chemistry needs on projects in the future.

Sincerely,

Analytical Sciences

Mark A. Valentini, Ph.D.

Laboratory Director

P.O. Box 750336
Petaluma, CA 94975-0336
Telephone: (707) 769-3128

110 Liberty Street
Petaluma, CA 94952

Analytical Sciences

Report Date: November 03, 2005

Laboratory Report

Stephen Knuttel
SCS Engineers
3645 Westwind Blvd
Santa Rosa, CA 95403

Project Name: **J.E. McCaffrey** **01203335.00**

Lab Project: **5102406**

This 4 page report of analytical data has been reviewed and approved for release.

Mark A. Valentini, Ph.D.

Laboratory Director

P.O. Box 750336
Petaluma, CA 94975-0336
Telephone: (707) 769-3128

110 Liberty Street
Petaluma, CA 94952

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
5102406-01	**DW-330**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	16	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	18.6	93	70-130
Toluene-d8	22.3	112	70-130
4-Bromofluorobenzene	20.2	101	70-130

Date Sampled:	10/21/05	Date Analyzed:	10/25/05	QC Batch: B000218
Date Received:	10/24/05	Method:	EPA 8260B	

Quality Assurance Report

Volatile Hydrocarbons by GC/MS in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000218 - EPA 5030 GC/MS										
Blank (B000218-BLK1)				Prepared & Analyzed: 10/17/05						
Benzene	ND	1.0	ug/L							
Toluene	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
m,p-Xylene	ND	1.0	ug/L							
o-Xylene	ND	1.0	ug/L							
Tertiary Butyl Alcohol (TBA)	ND	25	ug/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	ug/L							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/L							
Tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/L							
Surrogate: Dibromofluoromethane	*26.1*		*ug/L*	*20.0*		*130*	*70-130*			
Surrogate: Toluene-d8	*19.3*		*ug/L*	*20.0*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*18.5*		*ug/L*	*20.0*		*92*	*70-130*			
Matrix Spike (B000218-MS1)		**Source: 5101404-09**		Prepared & Analyzed: 10/17/05						
1,1-Dichloroethene (1,1-DCE)	23.5	1.0	ug/L	25.0	ND	94	70-130			
Benzene	21.5	1.0	ug/L	25.0	ND	86	70-130			
Trichloroethene (TCE)	21.9	1.0	ug/L	25.0	ND	88	70-130			
Toluene	21.5	1.0	ug/L	25.0	ND	86	70-130			
Chlorobenzene	21.9	1.0	ug/L	25.0	ND	88	70-130			
Surrogate: Dibromofluoromethane	*19.8*		*ug/L*	*20.0*		*99*	*70-130*			
Surrogate: Toluene-d8	*19.9*		*ug/L*	*20.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*19.0*		*ug/L*	*20.0*		*95*	*70-130*			
Matrix Spike Dup (B000218-MSD1)		**Source: 5101404-09**		Prepared & Analyzed: 10/17/05						
1,1-Dichloroethene (1,1-DCE)	20.2	1.0	ug/L	25.0	ND	81	70-130	15	20	
Benzene	21.8	1.0	ug/L	25.0	ND	87	70-130	1	20	
Trichloroethene (TCE)	22.0	1.0	ug/L	25.0	ND	88	70-130	0	20	
Toluene	22.6	1.0	ug/L	25.0	ND	90	70-130	5	20	
Chlorobenzene	22.1	1.0	ug/L	25.0	ND	88	70-130	0	20	
Surrogate: Dibromofluoromethane	*18.5*		*ug/L*	*20.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*20.8*		*ug/L*	*20.0*		*104*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.0*		*ug/L*	*20.0*		*100*	*70-130*			

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference

Analytical Sciences
P.O. Box 750336, Petaluma, CA 94975-0336
110 Liberty Street, Petaluma, CA 94952
(707) 769-3128

CHAIN OF CUSTODY

LAB PROJECT NUMBER: 5102406
SCS ENGINEERS PROJECT NAME: JE McCaffery
SCS ENGINEERS PROJECT NUMBER: 01203335.00

CLIENT INFORMATION		BILLING INFORMATION	
COMPANY NAME:	SCS ENGINEERS	CONTACT:	Jim McCaffery
ADDRESS:	3645 WESTWIND BOULEVARD	COMPANY NAME:	JE McCaffery Co.
	SANTA ROSA, CA 95403	ADDRESS:	365 Todd Road
CONTACT:	Stephen Knuttel		Santa Rosa, CA 95407
PHONE#:	(707) 546-9461	PHONE#:	707-769-4412
FAX #:	(707) 544-5769	FAX #:	

TURNAROUND TIME (check one)

MOBILE LAB			
SAME DAY		24 HOURS	
48 HOURS		72 HOURS	
5 DAYS		NORMAL	✓

GEOTRACKER EDF: X Y ___ N
GLOBAL ID: T0609700270

COOLER TEMPERATURE
_____ °C

COC

PAGE 1 OF 1

ITEM	CLIENT SAMPLE I..D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESV. YES/NO	TPH/GAS/BTEX EPA 8015M/8020	TPH DIESEL / MOTOR OIL EPA 8015M	VOLATILE HYDROCARBONS EPA 8260 (FULL LIST)	EPA 8260 Full List + Oxy / Fuel Additives	BTEX & OXYGENATES + ~~PB SCAVENGERS~~ EPA 8260B	OXYGENATED FUEL ADDITIVES EPA 8260M	CHLORINATED SOLVENTS	SEMI-VOLATILE HYDROCARBONS EPA 8270	TRPH / TOG SM 5520F / EPA 418.1M	PESTICIDES / PCB'S EPA 8081 / 8141 / 8082	CAM 17 METALS / 5 LUFT METALS	TOTAL LEAD	Natural Attenuation	COMMENTS	LAB SAMPLE #
1	DW-330	10/21/05	320	LIQ	3	Yes					X									5102406 - 01	
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					

SIGNATURES

RELINQUISHED BY:	DATE::	TIME:	
RECEIVED BY:	DATE::	TIME:	RECEIVED BY LABORATORY:
RELINQUISHED BY:	DATE::	TIME:	
RECEIVED BY:	DATE:	TIME:	SIGNATURE

10/24/05 1130
DATE TIME

Analytical Sciences

January 30, 2006

Stephen Knuttel
SCS Engineers
3645 Westwind Blvd
Santa Rosa, CA 95403

Dear Stephen,

Enclosed you will find Analytical Sciences' final report 6011801 for your J.E. McCaffrey project. An invoice for this work is enclosed.

Should you or your client have any questions regarding this report please contact me at your convenience. We appreciate you selecting Analytical Sciences for this work and look forward to serving your analytical chemistry needs on projects in the future.

Sincerely,

Analytical Sciences

Mark A. Valentini, Ph.D.

Laboratory Director

P.O. Box 750336
Petaluma, CA 94975-0336
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110 Liberty Street
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Analytical Sciences

Report Date: January 30, 2006

Laboratory Report

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Project Name: **J.E. McCaffrey** **01203335.00**

Lab Project: **6011801**

This 35 page report of analytical data has been reviewed and approved for release.

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TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)		RDL (ug/L)
6011801-01	**MW-4**	Gasoline	160	M	50

Date Sampled:	01/17/06	Date Analyzed:	01/20/06	QC Batch:	B000519
Date Received:	01/18/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-02	**MW-5**	Gasoline	140	50

Date Sampled:	01/17/06	Date Analyzed:	01/20/06	QC Batch:	B000519
Date Received:	01/18/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-03	**MW-9**	Gasoline	ND	50

Date Sampled:	01/17/06	Date Analyzed:	01/20/06	QC Batch:	B000519
Date Received:	01/18/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-04	**MW-14**	Gasoline	ND	50

Date Sampled:	01/17/06	Date Analyzed:	01/20/06	QC Batch:	B000519
Date Received:	01/18/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)		RDL (ug/L)
6011801-05	**MW-15**	Gasoline	270	M	50

Date Sampled:	01/17/06	Date Analyzed:	01/20/06	QC Batch:	B000519
Date Received:	01/18/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-06	**MW-18D**	Gasoline	ND	50

Date Sampled:	01/17/06	Date Analyzed:	01/20/06	QC Batch:	B000519
Date Received:	01/18/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-07	**MW-20**	Gasoline	ND	50

Date Sampled:	01/17/06	Date Analyzed:	01/20/06	QC Batch:	B000519
Date Received:	01/18/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)		RDL (ug/L)
6011801-08	**MW-22**	Gasoline	150	M	50

Date Sampled:	01/17/06	Date Analyzed:	01/20/06	QC Batch:	B000519
Date Received:	01/18/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-09	**MW-24D**	Gasoline	ND	50

Date Sampled:	01/17/06	Date Analyzed:	01/20/06	QC Batch: B000519
Date Received:	01/18/06	Method:	EPA 8015	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-01	**MW-4**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	160	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	1.2	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.0	100	70-130
Toluene-d8	20.6	103	70-130
4-Bromofluorobenzene	19.3	96	70-130

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch: B000509
Date Received:	01/18/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-02	**MW-5**	Benzene	15	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	4.0	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.4	102	70-130
Toluene-d8	20.7	104	70-130
4-Bromofluorobenzene	19.5	98	70-130

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch: B000509
Date Received:	01/18/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-03	**MW-9**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	13	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.0	100	70-130
Toluene-d8	20.7	104	70-130
4-Bromofluorobenzene	19.5	98	70-130

Date Sampled:	01/17/06	Date Analyzed:	01/23/06	QC Batch: B000509
Date Received:	01/18/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-04	**MW-14**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.3	102	70-130
Toluene-d8	20.2	101	70-130
4-Bromofluorobenzene	19.6	98	70-130

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch: B000509
Date Received:	01/18/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-05	**MW-15**	Benzene	ND	5.0
		Toluene	ND	5.0
		Ethylbenzene	ND	5.0
		m,p-Xylene	ND	5.0
		o-Xylene	ND	5.0
		Tertiary Butyl Alcohol (TBA)	ND	120
		Methyl tert-Butyl Ether (MTBE)	270	5.0
		Di-isopropyl Ether (DIPE)	ND	5.0
		Ethyl tert-Butyl Ether (ETBE)	ND	5.0
		Tert-Amyl Methyl Ether (TAME)	ND	5.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.1	100	70-130
Toluene-d8	20.5	102	70-130
4-Bromofluorobenzene	19.8	99	70-130

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch: B000509
Date Received:	01/18/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-06	**MW-18D**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.0	100	70-130
Toluene-d8	20.4	102	70-130
4-Bromofluorobenzene	19.8	99	70-130

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch: B000509
Date Received:	01/18/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-07	**MW-20**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	33	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.3	102	70-130
Toluene-d8	20.8	104	70-130
4-Bromofluorobenzene	20.3	102	70-130

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch: B000509
Date Received:	01/18/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-08	**MW-22**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	150	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.3	102	70-130
Toluene-d8	21.1	106	70-130
4-Bromofluorobenzene	19.5	98	70-130

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch: B000509
Date Received:	01/18/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-09	**MW-24D**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	3.2	1.0
		o-Xylene	1.1	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.2	101	70-130
Toluene-d8	20.5	102	70-130
4-Bromofluorobenzene	19.8	99	70-130

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch: B000509
Date Received:	01/18/06	Method:	EPA 8260B	

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-01	**MW-4**	Methane	ND	10

Date Sampled:	01/17/06	Date Analyzed:	01/25/06	QC Batch:	B000544
Date Received:	01/18/06	Method:	RSK 175		

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-02	**MW-5**	Methane	2700	50

Date Sampled:	01/17/06	Date Analyzed:	01/25/06	QC Batch:	B000544
Date Received:	01/18/06	Method:	RSK 175		

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-03	**MW-9**	Methane	ND	10

Date Sampled:	01/17/06	Date Analyzed:	01/25/06	QC Batch:	B000544
Date Received:	01/18/06	Method:	RSK 175		

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-04	**MW-14**	Methane	ND	10

Date Sampled:	01/17/06	Date Analyzed:	01/25/06	QC Batch:	B000544
Date Received:	01/18/06	Method:	RSK 175		

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-05	**MW-15**	Methane	ND	10

Date Sampled:	01/17/06	Date Analyzed:	01/25/06	QC Batch:	B000544
Date Received:	01/18/06	Method:	RSK 175		

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-06	**MW-18D**	Methane	ND	10

Date Sampled:	01/17/06	Date Analyzed:	01/25/06	QC Batch:	B000544
Date Received:	01/18/06	Method:	RSK 175		

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-07	**MW-20**	Methane	ND	10

Date Sampled:	01/17/06	Date Analyzed:	01/25/06	QC Batch:	B000544
Date Received:	01/18/06	Method:	RSK 175		

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-08	**MW-22**	Methane	ND	10

Date Sampled:	01/17/06	Date Analyzed:	01/25/06	QC Batch:	B000544
Date Received:	01/18/06	Method:	RSK 175		

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011801-09	**MW-24D**	Methane	ND	10

Date Sampled:	01/17/06	Date Analyzed:	01/25/06	QC Batch:	B000544
Date Received:	01/18/06	Method:	RSK 175		

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-01	**MW-4**	Manganese (Mn)	2.9	0.10

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-02	**MW-5**	Manganese (Mn)	3.2	0.10

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-03	**MW-9**	Manganese (Mn)	0.089	0.020

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-04	**MW-14**	Manganese (Mn)	ND	0.020

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-05	**MW-15**	Manganese (Mn)	1.5	0.10

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-06	**MW-18D**	Manganese (Mn)	1.3	0.10

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-07	**MW-20**	Manganese (Mn)	0.75	0.020

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-08	**MW-22**	Manganese (Mn)	ND	0.020

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-09	**MW-24D**	Manganese (Mn)	0.041	0.020

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-01	**MW-4**	Magnesium (Mg)	42	1.0

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-02	**MW-5**	Magnesium (Mg)	24	1.0

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-03	**MW-9**	Magnesium (Mg)	57	1.0

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-04	**MW-14**	Magnesium (Mg)	33	1.0

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-05	**MW-15**	Magnesium (Mg)	89	1.0

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-06	**MW-18D**	Magnesium (Mg)	9.8	0.10

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch:	B000543
Date Received:	01/18/06	Method:	EPA 6010B		

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-07	**MW-20**	Magnesium (Mg)	19	1.0

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch: B000543
Date Received:	01/18/06	Method:	EPA 6010B	

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-08	**MW-22**	Magnesium (Mg)	66	1.0

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch: B000543
Date Received:	01/18/06	Method:	EPA 6010B	

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-09	**MW-24D**	Magnesium (Mg)	20	1.0

Date Sampled:	01/17/06	Date Analyzed:	01/26/06	QC Batch: B000543
Date Received:	01/18/06	Method:	EPA 6010B	

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011801-01	**MW-4**	Total Alkalinity	280	5.0
		pH	6.8	1.0
		Free C02 by calculation	92	5.0

Date Sampled:	01/17/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/18/06	Method:	SM 4500	

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011801-02	**MW-5**	Total Alkalinity	180	5.0
		pH	6.8	1.0
		Free C02 by calculation	62	5.0

Date Sampled:	01/17/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/18/06	Method:	SM 4500	

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011801-03	**MW-9**	Total Alkalinity	460	5.0
		pH	7.0	1.0
		Free C02 by calculation	81	5.0

Date Sampled:	01/17/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/18/06	Method:	SM 4500	

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011801-04	**MW-14**	Total Alkalinity	310	5.0
		pH	7.4	1.0
		Free C02 by calculation	24	5.0

Date Sampled:	01/17/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/18/06	Method:	SM 4500	

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011801-05	**MW-15**	Total Alkalinity	720	5.0
		pH	6.8	1.0
		Free C02 by calculation	210	5.0

Date Sampled:	01/17/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/18/06	Method:	SM 4500	

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011801-06	**MW-18D**	Total Alkalinity	93	5.0
		pH	7.3	1.0
		Free C02 by calculation	9.4	5.0

Date Sampled:	01/17/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/18/06	Method:	SM 4500	

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011801-07	**MW-20**	Total Alkalinity	190	5.0
		pH	6.6	1.0
		Free C02 by calculation	96	5.0

Date Sampled:	01/17/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/18/06	Method:	SM 4500	

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011801-08	**MW-22**	Total Alkalinity	450	5.0
		pH	7.1	1.0
		Free C02 by calculation	70	5.0

Date Sampled:	01/17/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/18/06	Method:	SM 4500	

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011801-09	**MW-24D**	Total Alkalinity	150	5.0
		pH	7.8	1.0
		Free C02 by calculation	5.3	5.0

Date Sampled:	01/17/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/18/06	Method:	SM 4500	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011801-01	**MW-4**	Oxidation Reduction Potential (ORP)	320	0.0

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch: B000498
Date Received:	01/18/06	Method:	SM 2580	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011801-02	**MW-5**	Oxidation Reduction Potential (ORP)	300	0.0

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch: B000498
Date Received:	01/18/06	Method:	SM 2580	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011801-03	**MW-9**	Oxidation Reduction Potential (ORP)	310	0.0

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch: B000498
Date Received:	01/18/06	Method:	SM 2580	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011801-04	**MW-14**	Oxidation Reduction Potential (ORP)	290	0.0

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch: B000498
Date Received:	01/18/06	Method:	SM 2580	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011801-05	**MW-15**	Oxidation Reduction Potential (ORP)	310	0.0

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch: B000498
Date Received:	01/18/06	Method:	SM 2580	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011801-06	**MW-18D**	Oxidation Reduction Potential (ORP)	290	0.0

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch: B000498
Date Received:	01/18/06	Method:	SM 2580	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011801-07	**MW-20**	Oxidation Reduction Potential (ORP)	320	0.0

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch: B000498
Date Received:	01/18/06	Method:	SM 2580	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011801-08	**MW-22**	Oxidation Reduction Potential (ORP)	320	0.0

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch: B000498
Date Received:	01/18/06	Method:	SM 2580	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011801-09	**MW-24D**	Oxidation Reduction Potential (ORP)	300	0.0

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch: B000498
Date Received:	01/18/06	Method:	SM 2580	

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-01	**MW-4**	Nitrate	ND	0.10

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch: B000501
Date Received:	01/18/06	Method:	EPA 300	

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-02	**MW-5**	Nitrate	ND	0.10

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300		

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-03	**MW-9**	Nitrate	14	1.0

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300		

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-04	**MW-14**	Nitrate	1.1	0.10

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300		

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-05	**MW-15**	Nitrate	ND	0.10

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300		

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-06	**MW-18D**	Nitrate	ND	0.10

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300		

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-07	**MW-20**	Nitrate	1.4	0.10

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300		

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-08	**MW-22**	Nitrate	18	0.50

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300		

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-09	**MW-24D**	Nitrate	1.3	0.10

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-01	**MW-4**	Sulfate as SO4	19	1.0

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300.0		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-02	**MW-5**	Sulfate as SO4	6.3	0.50

Date Sampled:	01/17/06	Date Analyzed:	01/20/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300.0		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-03	**MW-9**	Sulfate as SO4	46	1.0

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300.0		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-04	**MW-14**	Sulfate as SO4	27	1.0

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300.0		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-05	**MW-15**	Sulfate as SO4	71	2.0

Date Sampled:	01/17/06	Date Analyzed:	01/20/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300.0		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-06	**MW-18D**	Sulfate as SO4	6.1	0.10

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300.0		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-07	**MW-20**	Sulfate as SO4	8.3	1.0

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300.0		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-08	**MW-22**	Sulfate as SO4	61	5.0

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300.0		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-09	**MW-24D**	Sulfate as SO4	7.9	1.0

Date Sampled:	01/17/06	Date Analyzed:	01/19/06	QC Batch:	B000501
Date Received:	01/18/06	Method:	EPA 300.0		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-01	**MW-4**	Ferrous Iron	0.24	0.20

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000497
Date Received:	01/18/06	Method:	SM 3500		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-02	**MW-5**	Ferrous Iron	0.22	0.20

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000497
Date Received:	01/18/06	Method:	SM 3500		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-03	**MW-9**	Ferrous Iron	ND	0.20

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000497
Date Received:	01/18/06	Method:	SM 3500		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-04	**MW-14**	Ferrous Iron	ND	0.20

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000497
Date Received:	01/18/06	Method:	SM 3500		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-05	**MW-15**	Ferrous Iron	0.75	0.20

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000497
Date Received:	01/18/06	Method:	SM 3500		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-06	**MW-18D**	Ferrous Iron	0.38	0.20

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000497
Date Received:	01/18/06	Method:	SM 3500		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-07	**MW-20**	Ferrous Iron	1.3	0.20

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000497
Date Received:	01/18/06	Method:	SM 3500		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-08	**MW-22**	Ferrous Iron	ND	0.20

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000497
Date Received:	01/18/06	Method:	SM 3500		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011801-09	**MW-24D**	Ferrous Iron	ND	0.20

Date Sampled:	01/17/06	Date Analyzed:	01/18/06	QC Batch:	B000497
Date Received:	01/18/06	Method:	SM 3500		

Quality Assurance Report

TPH Gasoline in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000519 - EPA 5030 GC										
Blank (B000519-BLK1)				Prepared & Analyzed: 01/20/06						
Gasoline	ND	50	ug/L							
Matrix Spike (B000519-MS1)		**Source: 6011801-01**		Prepared & Analyzed: 01/20/06						
Benzene	10.7	0.50	ug/L	10.0	ND	107	70-130			
Toluene	10.6	0.50	ug/L	10.0	ND	106	70-130			
Ethylbenzene	10.8	0.50	ug/L	10.0	ND	108	70-130			
Xylenes	32.6	1.5	ug/L	30.0	ND	109	70-130			
Matrix Spike Dup (B000519-MSD1)		**Source: 6011801-01**		Prepared & Analyzed: 01/20/06						
Benzene	10.5	0.50	ug/L	10.0	ND	105	70-130	2	20	
Toluene	10.5	0.50	ug/L	10.0	ND	105	70-130	0.9	20	
Ethylbenzene	10.7	0.50	ug/L	10.0	ND	107	70-130	0.9	20	
Xylenes	32.4	1.5	ug/L	30.0	ND	108	70-130	0.9	20	

Volatile Hydrocarbons by GC/MS in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000509 - EPA 5030 GC/MS										
Blank (B000509-BLK1)				Prepared & Analyzed: 01/19/06						
Benzene	ND	1.0	ug/L							
Toluene	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
m,p-Xylene	ND	1.0	ug/L							
o-Xylene	ND	1.0	ug/L							
Tertiary Butyl Alcohol (TBA)	ND	25	ug/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	ug/L							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/L							
Tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/L							
Surrogate: Dibromofluoromethane	*19.5*		*ug/L*	*20.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*20.7*		*ug/L*	*20.0*		*104*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*19.9*		*ug/L*	*20.0*		*100*	*70-130*			
Matrix Spike (B000509-MS1)		**Source: 6011801-04**		Prepared & Analyzed: 01/19/06						
1,1-Dichloroethene (1,1-DCE)	25.1	1.0	ug/L	25.0	ND	100	70-130			
Benzene	23.6	1.0	ug/L	25.0	ND	94	70-130			
Trichloroethene (TCE)	24.3	1.0	ug/L	25.0	ND	97	70-130			
Toluene	24.6	1.0	ug/L	25.0	ND	98	70-130			
Chlorobenzene	22.8	1.0	ug/L	25.0	ND	91	70-130			
Surrogate: Dibromofluoromethane	*20.1*		*ug/L*	*20.0*		*100*	*70-130*			
Surrogate: Toluene-d8	*20.3*		*ug/L*	*20.0*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*19.8*		*ug/L*	*20.0*		*99*	*70-130*			
Matrix Spike Dup (B000509-MSD1)		**Source: 6011801-04**		Prepared & Analyzed: 01/19/06						
1,1-Dichloroethene (1,1-DCE)	22.2	1.0	ug/L	25.0	ND	89	70-130	12	20	
Benzene	22.2	1.0	ug/L	25.0	ND	89	70-130	5	20	
Trichloroethene (TCE)	22.5	1.0	ug/L	25.0	ND	90	70-130	7	20	
Toluene	22.6	1.0	ug/L	25.0	ND	90	70-130	9	20	
Chlorobenzene	21.5	1.0	ug/L	25.0	ND	86	70-130	6	20	
Surrogate: Dibromofluoromethane	*21.0*		*ug/L*	*20.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*21.0*		*ug/L*	*20.0*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*19.9*		*ug/L*	*20.0*		*100*	*70-130*			

Methane by GC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000544 - RSK 175										
Blank (B000544-BLK1)				Prepared & Analyzed: 01/25/06						
Methane	ND	10	ug/L							
Blank (B000544-BLK2)				Prepared & Analyzed: 01/25/06						
Methane	ND	10	ug/L							

Dissolved Metals in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000543 - EPA 3010A										
Blank (B000543-BLK1)				Prepared: 01/25/06 Analyzed: 01/26/06						
Manganese (Mn)	ND	0.020	mg/L							
LCS (B000543-BS1)				Prepared: 01/25/06 Analyzed: 01/26/06						
Manganese (Mn)	0.506	0.020	mg/L	0.500		101	70-130			
LCS Dup (B000543-BSD1)				Prepared: 01/25/06 Analyzed: 01/26/06						
Manganese (Mn)	0.521	0.020	mg/L	0.500		104	70-130	3	20	

Metals in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000543 - EPA 3010A										
Blank (B000543-BLK1)				Prepared: 01/25/06 Analyzed: 01/26/06						
Magnesium (Mg)	ND	0.10	mg/L							
LCS (B000543-BS1)				Prepared: 01/25/06 Analyzed: 01/26/06						
Magnesium (Mg)	0.487	0.10	mg/L	0.500		97	70-130			
LCS Dup (B000543-BSD1)				Prepared: 01/25/06 Analyzed: 01/26/06						
Magnesium (Mg)	0.494	0.10	mg/L	0.500		99	70-130	2	20	

Nitrate in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000501 - NO PREP										
Blank (B000501-BLK1)				Prepared: 01/17/06 Analyzed: 01/18/06						
Nitrate	ND	0.10	mg/L							
LCS (B000501-BS1)				Prepared: 01/17/06 Analyzed: 01/18/06						
Nitrate	2.03	0.10	mg/L	2.00		102	80-120			
LCS Dup (B000501-BSD1)				Prepared: 01/17/06 Analyzed: 01/18/06						
Nitrate	1.93	0.10	mg/L	2.00		96	80-120	5	20	

Sulfate in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000501 - NO PREP										
Blank (B000501-BLK1)				Prepared: 01/17/06 Analyzed: 01/18/06						
Sulfate as SO4	ND	0.10	mg/L							
LCS (B000501-BS1)				Prepared: 01/17/06 Analyzed: 01/18/06						
Sulfate as SO4	2.10	0.10	mg/L	2.00		105	80-120			
LCS Dup (B000501-BSD1)				Prepared: 01/17/06 Analyzed: 01/18/06						
Sulfate as SO4	2.00	0.10	mg/L	2.00		100	80-120	5	20	

Notes and Definitions

M	The TPH Gasoline result consists primarily of Methyl Tertiary Butyl Ether (MTBE).
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference

Analytical Sciences
P.O. Box 750336, Petaluma, CA 94975-0336
110 Liberty Street, Petaluma, CA 94952
(707) 769-3128

CHAIN OF CUSTODY

LAB PROJECT NUMBER: 6011801
SCS ENGINEERS PROJECT NAME: JE McCAFFERY
SCS ENGINEERS PROJECT NUMBER: 01203335.00

CLIENT INFORMATION		BILLING INFORMATION	
COMPANY NAME:	SCS ENGINEERS	CONTACT:	JIM McCAFFERY
ADDRESS:	3645 WESTWIND BOULEVARD	COMPANY NAME:	JE McCAFFERY CO.
	SANTA ROSA, CA 95403	ADDRESS:	365 TODD RD.
CONTACT:			SANTA ROSA, CA 95407
PHONE#:	(707) 546-9461	PHONE#:	707-769-4412
FAX #:	(707) 544-5769	FAX #:	

TURNAROUND TIME (check one)

MOBILE LAB			
SAME DAY		24 HOURS	
48 HOURS		72 HOURS	
5 DAYS		NORMAL	✓

GEOTRACKER EDF: ___Y ___N
GLOBAL ID: _____

COOLER TEMPERATURE
_____ °C

COC

PAGE ___ OF ___

ANALYSIS

ITEM	CLIENT SAMPLE I..D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESV. YES/NO	TPH/GAS/BTEX & MTBE EPA 8015M/8020	TPH DIESEL / MOTOR OIL EPA 8015M	VOLATILE HYDROCARBONS EPA 8260 (FULL LIST)	EPA 8260 Full List + Oxy / Fuel Additives	BTEX & OXYGENATES +PB SCAVENGERS EPA 8260B	OXYGENATED FUEL ADDITIVES EPA 8260M	CHLORINATED SOLVENTS	SEMI-VOLATILE HYDROCARBONS EPA 8270	TRPH / TOG SM 5520F / EPA 418.1M	PESTICIDES / PCB'S EPA 8081 / 8141 / 8082	CAM 17 METALS / 5 LUFT METALS	TOTAL LEAD	NATURAL ATTENUATION *	COMMENTS * pH, ORP, Sulfate, Nitrate, Fe, Alkalinity, Dissolved CO_2, Mn, Mg, SM4	LAB SAMPLE #
1	MW-4	1-17-06	1115	LIQ	7	Y/N	X				X								x	6011801 –	01
2	MW-5	↓	1010	↓	↓	↓	↓				↓								↓		02
3	MW-9		1200																		03
4	MW-14		1135																		04
5	MW-15		1315																		05
6	MW-18D		1315																		06
7	MW-20		1100																		07
8	MW-22		1220																		08
9	MW-24D	↓	1405	↓	↓	↓	↓				↓								↓		09
10																					
11																					

SIGNATURES

RELINQUISHED BY:	Rick Erdman	DATE:: 1-18-2006	TIME: 930
RECEIVED BY:		DATE::	TIME:
RELINQUISHED BY:		DATE::	TIME:
RECEIVED BY:		DATE:	TIME:

RECEIVED BY LABORATORY: ICCCO
SIGNATURE

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Analytical Sciences

January 30, 2006

Stephen Knuttel
SCS Engineers
3645 Westwind Blvd
Santa Rosa, CA 95403

Dear Stephen,

Enclosed you will find Analytical Sciences' final report 6011706 for your J.E. McCaffrey project. An invoice for this work is enclosed.

Should you or your client have any questions regarding this report please contact me at your convenience. We appreciate you selecting Analytical Sciences for this work and look forward to serving your analytical chemistry needs on projects in the future.

Sincerely,

Analytical Sciences

Mark A. Valentini, Ph.D.

Laboratory Director

P.O. Box 750336
Petaluma, CA 94975-0336
Telephone: (707) 769-3128

110 Liberty Street
Petaluma, CA 94952

Analytical Sciences

Report Date: January 30, 2006

Laboratory Report

Stephen Knuttel
SCS Engineers
3645 Westwind Blvd
Santa Rosa, CA 95403

Project Name: **J.E. McCaffrey** **01203335.00**

Lab Project: **6011706**

This 36 page report of analytical data has been reviewed and approved for release.

Mark A. Valentini, Ph.D.

Laboratory Director

P.O. Box 750336
Petaluma, CA 94975-0336
Telephone: (707) 769-3128

110 Liberty Street
Petaluma, CA 94952

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-01	**MW-17D**	Gasoline	ND	50

Date Sampled:	01/13/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-02	**MW-19**	Gasoline	ND	50

Date Sampled:	01/13/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-03	**MW-21**	Gasoline	ND	50

Date Sampled:	01/13/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-04	**MW-23**	Gasoline	ND	50

Date Sampled:	01/13/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-05	**MW-26D**	Gasoline	ND	50

Date Sampled:	01/13/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-06	**MW-30**	Gasoline	ND	50

Date Sampled:	01/13/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-07	**MW-31D**	Gasoline	ND	50

Date Sampled:	01/13/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)		RDL (ug/L)
6011706-08	**MW-32**	Gasoline	51	M	50

Date Sampled:	01/13/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-09	**MW-16D**	Gasoline	ND	50

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-10	**MW-25D**	Gasoline	ND	50

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-11	**MW-29D**	Gasoline	ND	50

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-12	**MW-34**	Gasoline	ND	50

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-13	**MW-35D**	Gasoline	ND	50

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-14	**MW-7**	Gasoline	ND	50

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-15	**MW-8**	Gasoline	ND	50

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)		RDL (ug/L)
6011706-16	**MW-10**	Gasoline	290	M	50

Date Sampled:	01/16/06	Date Analyzed:	01/21/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-17	**MW-27**	Gasoline	ND	50

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-18	**MW-28**	Gasoline	ND	50

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-19	**MW-33**	Gasoline	ND	50

Date Sampled:	01/16/06	Date Analyzed:	01/21/06	QC Batch:	B000512
Date Received:	01/17/06	Method:	EPA 8015		

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-01	**MW-17D**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	1.2	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.2	101	70-130
Toluene-d8	20.3	102	70-130
4-Bromofluorobenzene	19.3	96	70-130

Date Sampled:	01/13/06	Date Analyzed:	01/19/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-02	**MW-19**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	4.8	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.1	100	70-130
Toluene-d8	20.4	102	70-130
4-Bromofluorobenzene	18.9	94	70-130

Date Sampled:	01/13/06	Date Analyzed:	01/19/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-03	**MW-21**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.2	101	70-130
Toluene-d8	20.4	102	70-130
4-Bromofluorobenzene	18.9	94	70-130

Date Sampled:	01/13/06	Date Analyzed:	01/19/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-04	**MW-23**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	18	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.2	101	70-130
Toluene-d8	20.4	102	70-130
4-Bromofluorobenzene	18.6	93	70-130

Date Sampled:	01/13/06	Date Analyzed:	01/20/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-05	**MW-26D**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	2.0	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.4	102	70-130
Toluene-d8	20.3	102	70-130
4-Bromofluorobenzene	19.3	96	70-130

Date Sampled:	01/13/06	Date Analyzed:	01/19/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-06	**MW-30**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	1.1	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.3	102	70-130
Toluene-d8	20.3	102	70-130
4-Bromofluorobenzene	18.7	94	70-130

Date Sampled:	01/13/06	Date Analyzed:	01/19/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-07	**MW-31D**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.4	102	70-130
Toluene-d8	20.5	102	70-130
4-Bromofluorobenzene	18.9	94	70-130

Date Sampled:	01/13/06	Date Analyzed:	01/19/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-08	**MW-32**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	51	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.5	102	70-130
Toluene-d8	20.7	104	70-130
4-Bromofluorobenzene	18.7	94	70-130

Date Sampled:	01/13/06	Date Analyzed:	01/19/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-09	**MW-16D**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	19.9	100	70-130
Toluene-d8	20.3	102	70-130
4-Bromofluorobenzene	18.8	94	70-130

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-10	**MW-25D**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	3.5	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.1	100	70-130
Toluene-d8	20.4	102	70-130
4-Bromofluorobenzene	18.6	93	70-130

Date Sampled:	01/16/06	Date Analyzed:	01/19/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-11	**MW-29D**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.2	101	70-130
Toluene-d8	20.4	102	70-130
4-Bromofluorobenzene	18.6	93	70-130

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-12	**MW-34**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.0	100	70-130
Toluene-d8	20.4	102	70-130
4-Bromofluorobenzene	18.8	94	70-130

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-13	**MW-35D**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.3	102	70-130
Toluene-d8	20.4	102	70-130
4-Bromofluorobenzene	18.7	94	70-130

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-14	**MW-7**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	13	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.1	100	70-130
Toluene-d8	20.4	102	70-130
4-Bromofluorobenzene	18.7	94	70-130

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-15	**MW-8**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.1	100	70-130
Toluene-d8	20.4	102	70-130
4-Bromofluorobenzene	18.6	93	70-130

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-16	**MW-10**	Benzene	ND	5.0
		Toluene	ND	5.0
		Ethylbenzene	ND	5.0
		m,p-Xylene	ND	5.0
		o-Xylene	ND	5.0
		Tertiary Butyl Alcohol (TBA)	ND	120
		Methyl tert-Butyl Ether (MTBE)	290	5.0
		Di-isopropyl Ether (DIPE)	ND	5.0
		Ethyl tert-Butyl Ether (ETBE)	ND	5.0
		Tert-Amyl Methyl Ether (TAME)	ND	5.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	19.8	99	70-130
Toluene-d8	20.4	102	70-130
4-Bromofluorobenzene	18.4	92	70-130

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-17	**MW-27**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	9.2	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.3	102	70-130
Toluene-d8	20.6	103	70-130
4-Bromofluorobenzene	18.7	94	70-130

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-18	**MW-28**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	3.1	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.3	102	70-130
Toluene-d8	20.6	103	70-130
4-Bromofluorobenzene	18.7	94	70-130

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-19	**MW-33**	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.9	104	70-130
Toluene-d8	20.6	103	70-130
4-Bromofluorobenzene	19.0	95	70-130

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch: B000508
Date Received:	01/17/06	Method:	EPA 8260B	

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-14	**MW-7**	Methane	14	10

Date Sampled:	01/16/06	Date Analyzed:	01/25/06	QC Batch: B000544
Date Received:	01/17/06	Method:	RSK 175	

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-15	**MW-8**	Methane	ND	10

Date Sampled:	01/16/06	Date Analyzed:	01/25/06	QC Batch: B000544
Date Received:	01/17/06	Method:	RSK 175	

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-16	**MW-10**	Methane	ND	10

Date Sampled:	01/16/06	Date Analyzed:	01/25/06	QC Batch:	B000544
Date Received:	01/17/06	Method:	RSK 175		

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-17	**MW-27**	Methane	ND	10

Date Sampled:	01/16/06	Date Analyzed:	01/25/06	QC Batch:	B000544
Date Received:	01/17/06	Method:	RSK 175		

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-18	**MW-28**	Methane	ND	10

Date Sampled:	01/16/06	Date Analyzed:	01/25/06	QC Batch:	B000544
Date Received:	01/17/06	Method:	RSK 175		

Methane by GC

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6011706-19	**MW-33**	Methane	ND	10

Date Sampled:	01/16/06	Date Analyzed:	01/25/06	QC Batch:	B000544
Date Received:	01/17/06	Method:	RSK 175		

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-14	**MW-7**	Manganese (Mn)	3.5	0.10

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch: B000481
Date Received:	01/17/06	Method:	EPA 6010B	

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-15	**MW-8**	Manganese (Mn)	0.74	0.020

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch: B000481
Date Received:	01/17/06	Method:	EPA 6010B	

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-16	**MW-10**	Manganese (Mn)	2.2	0.10

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch: B000481
Date Received:	01/17/06	Method:	EPA 6010B	

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-17	**MW-27**	Manganese (Mn)	0.22	0.020

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch: B000481
Date Received:	01/17/06	Method:	EPA 6010B	

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-18	**MW-28**	Manganese (Mn)	0.18	0.020

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch:	B000481
Date Received:	01/17/06	Method:	EPA 6010B		

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-19	**MW-33**	Manganese (Mn)	0.53	0.020

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch:	B000481
Date Received:	01/17/06	Method:	EPA 6010B		

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-14	**MW-7**	Magnesium (Mg)	100	1.0

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch:	B000481
Date Received:	01/17/06	Method:	EPA 6010B		

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-15	**MW-8**	Magnesium (Mg)	37	1.0

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch:	B000481
Date Received:	01/17/06	Method:	EPA 6010B		

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-16	**MW-10**	Magnesium (Mg)	100	1.0

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch:	B000481
Date Received:	01/17/06	Method:	EPA 6010B		

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-17	**MW-27**	Magnesium (Mg)	45	1.0

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch:	B000481
Date Received:	01/17/06	Method:	EPA 6010B		

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-18	**MW-28**	Magnesium (Mg)	54	1.0

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch:	B000481
Date Received:	01/17/06	Method:	EPA 6010B		

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-19	**MW-33**	Magnesium (Mg)	49	1.0

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch:	B000481
Date Received:	01/17/06	Method:	EPA 6010B		

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011706-14	**MW-7**	Total Alkalinity	690	5.0
		pH	6.9	1.0
		Free C02 by calculation	190	5.0

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/17/06	Method:	SM 4500	

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011706-15	**MW-8**	Total Alkalinity	270	5.0
		pH	6.9	1.0
		Free C02 by calculation	69	5.0

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/17/06	Method:	SM 4500	

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011706-16	**MW-10**	Total Alkalinity	750	5.0
		pH	6.9	1.0
		Free C02 by calculation	210	5.0

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/17/06	Method:	SM 4500	

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011706-17	**MW-27**	Total Alkalinity	270	5.0
		pH	7.4	1.0
		Free C02 by calculation	24	5.0

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/17/06	Method:	SM 4500	

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011706-18	**MW-28**	Total Alkalinity	430	5.0
		pH	7.1	1.0
		Free C02 by calculation	72	5.0

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/17/06	Method:	SM 4500	

Dissolved CO2 in Water

Lab#	Sample ID	Compound Name	Result (mg CaC03/L)	RDL (mg CaC03/L)
6011706-19	**MW-33**	Total Alkalinity	320	5.0
		pH	6.8	1.0
		Free C02 by calculation	91	5.0

Date Sampled:	01/16/06	Date Analyzed:	01/24/06	QC Batch: B000538
Date Received:	01/17/06	Method:	SM 4500	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011706-14	**MW-7**	Oxidation Reduction Potential (ORP)	360	0.0

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch: B000498
Date Received:	01/17/06	Method:	SM 2580	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011706-15	**MW-8**	Oxidation Reduction Potential (ORP)	330	0.0

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch: B000498
Date Received:	01/17/06	Method:	SM 2580	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011706-16	**MW-10**	Oxidation Reduction Potential (ORP)	340	0.0

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch: B000498
Date Received:	01/17/06	Method:	SM 2580	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011706-17	**MW-27**	Oxidation Reduction Potential (ORP)	310	0.0

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch: B000498
Date Received:	01/17/06	Method:	SM 2580	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011706-18	**MW-28**	Oxidation Reduction Potential (ORP)	320	0.0

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch: B000498
Date Received:	01/17/06	Method:	SM 2580	

Oxygen Reduction Potential (ORP) in Water

Lab#	Sample ID	Compound Name	Result (mV)	RDL (mV)
6011706-19	**MW-33**	Oxidation Reduction Potential (ORP)	320	0.0

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch:	B000498
Date Received:	01/17/06	Method:	SM 2580		

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-14	**MW-7**	Nitrate	ND	0.10

Date Sampled:	01/16/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/17/06	Method:	EPA 300		

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-15	**MW-8**	Nitrate	1.3	0.10

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch:	B000501
Date Received:	01/17/06	Method:	EPA 300		

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-16	**MW-10**	Nitrate	ND	0.10

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch:	B000501
Date Received:	01/17/06	Method:	EPA 300		

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-17	**MW-27**	Nitrate	3.3	0.10

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch:	B000501
Date Received:	01/17/06	Method:	EPA 300		

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-18	**MW-28**	Nitrate	12	0.50

Date Sampled:	01/16/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/17/06	Method:	EPA 300		

Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-19	**MW-33**	Nitrate	12	0.50

Date Sampled:	01/16/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/17/06	Method:	EPA 300		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-14	**MW-7**	Sulfate as SO4	93	5.0

Date Sampled:	01/16/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/17/06	Method:	EPA 300.0		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-15	**MW-8**	Sulfate as SO4	65	5.0

Date Sampled:	01/16/06	Date Analyzed:	01/20/06	QC Batch:	B000501
Date Received:	01/17/06	Method:	EPA 300.0		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-16	**MW-10**	Sulfate as SO4	57	5.0

Date Sampled:	01/16/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/17/06	Method:	EPA 300.0		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-17	**MW-27**	Sulfate as SO4	46	5.0

Date Sampled:	01/16/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/17/06	Method:	EPA 300.0		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-18	**MW-28**	Sulfate as SO4	54	5.0

Date Sampled:	01/16/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/17/06	Method:	EPA 300.0		

Sulfate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-19	**MW-33**	Sulfate as SO4	84	5.0

Date Sampled:	01/16/06	Date Analyzed:	01/18/06	QC Batch:	B000501
Date Received:	01/17/06	Method:	EPA 300.0		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-14	**MW-7**	Ferrous Iron	0.25	0.20

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch:	B000497
Date Received:	01/17/06	Method:	SM 3500		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-15	**MW-8**	Ferrous Iron	ND	0.20

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch:	B000497
Date Received:	01/17/06	Method:	SM 3500		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-16	**MW-10**	Ferrous Iron	0.28	0.20

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch:	B000497
Date Received:	01/17/06	Method:	SM 3500		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-17	**MW-27**	Ferrous Iron	0.23	0.20

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch:	B000497
Date Received:	01/17/06	Method:	SM 3500		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-18	**MW-28**	Ferrous Iron	ND	0.20

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch:	B000497
Date Received:	01/17/06	Method:	SM 3500		

Ferrous Iron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6011706-19	**MW-33**	Ferrous Iron	ND	0.20

Date Sampled:	01/16/06	Date Analyzed:	01/17/06	QC Batch:	B000497
Date Received:	01/17/06	Method:	SM 3500		

Quality Assurance Report

TPH Gasoline in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000512 - EPA 5030 GC										
Blank (B000512-BLK1)				Prepared & Analyzed: 01/20/06						
Gasoline	ND	50	ug/L							
Matrix Spike (B000512-MS1)		**Source: 6011706-01**		Prepared & Analyzed: 01/20/06						
Benzene	10.8	0.50	ug/L	10.0	ND	108	70-130			
Toluene	10.9	0.50	ug/L	10.0	ND	109	70-130			
Ethylbenzene	10.9	0.50	ug/L	10.0	ND	109	70-130			
Xylenes	32.8	1.5	ug/L	30.0	ND	109	70-130			
Matrix Spike Dup (B000512-MSD1)		**Source: 6011706-01**		Prepared & Analyzed: 01/20/06						
Benzene	10.5	0.50	ug/L	10.0	ND	105	70-130	3	20	
Toluene	10.7	0.50	ug/L	10.0	ND	107	70-130	2	20	
Ethylbenzene	10.8	0.50	ug/L	10.0	ND	108	70-130	0.9	20	
Xylenes	32.3	1.5	ug/L	30.0	ND	108	70-130	0.9	20	

Volatile Hydrocarbons by GC/MS in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000508 - EPA 5030 GC/MS										
Blank (B000508-BLK1)				Prepared & Analyzed: 01/19/06						
Benzene	ND	1.0	ug/L							
Toluene	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
m,p-Xylene	ND	1.0	ug/L							
o-Xylene	ND	1.0	ug/L							
Tertiary Butyl Alcohol (TBA)	ND	25	ug/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	ug/L							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/L							
Tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/L							
Surrogate: Dibromofluoromethane	*20.2*		*ug/L*	*20.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*20.4*		*ug/L*	*20.0*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*19.3*		*ug/L*	*20.0*		*96*	*70-130*			
Matrix Spike (B000508-MS1)		**Source: 6011706-05**		Prepared & Analyzed: 01/19/06						
1,1-Dichloroethene (1,1-DCE)	26.0	1.0	ug/L	25.0	ND	104	70-130			
Benzene	25.8	1.0	ug/L	25.0	ND	103	70-130			
Trichloroethene (TCE)	25.2	1.0	ug/L	25.0	ND	101	70-130			
Toluene	25.8	1.0	ug/L	25.0	ND	103	70-130			
Chlorobenzene	24.8	1.0	ug/L	25.0	ND	99	70-130			
Surrogate: Dibromofluoromethane	*19.9*		*ug/L*	*20.0*		*100*	*70-130*			
Surrogate: Toluene-d8	*20.2*		*ug/L*	*20.0*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*18.6*		*ug/L*	*20.0*		*93*	*70-130*			
Matrix Spike Dup (B000508-MSD1)		**Source: 6011706-05**		Prepared & Analyzed: 01/19/06						
1,1-Dichloroethene (1,1-DCE)	25.3	1.0	ug/L	25.0	ND	101	70-130	3	20	
Benzene	25.2	1.0	ug/L	25.0	ND	101	70-130	2	20	
Trichloroethene (TCE)	24.9	1.0	ug/L	25.0	ND	100	70-130	1	20	
Toluene	25.0	1.0	ug/L	25.0	ND	100	70-130	3	20	
Chlorobenzene	24.0	1.0	ug/L	25.0	ND	96	70-130	3	20	
Surrogate: Dibromofluoromethane	*20.0*		*ug/L*	*20.0*		*100*	*70-130*			
Surrogate: Toluene-d8	*20.3*		*ug/L*	*20.0*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*18.7*		*ug/L*	*20.0*		*94*	*70-130*			

Methane by GC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000544 - RSK 175										
Blank (B000544-BLK1)				Prepared & Analyzed: 01/25/06						
Methane	ND	10	ug/L							
Blank (B000544-BLK2)				Prepared & Analyzed: 01/25/06						
Methane	ND	10	ug/L							

Dissolved Metals in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000481 - EPA 3010A										
Blank (B000481-BLK1)				Prepared: 01/12/06 Analyzed: 01/24/06						
Manganese (Mn)	ND	0.020	mg/L							
LCS (B000481-BS1)				Prepared: 01/12/06 Analyzed: 01/24/06						
Manganese (Mn)	0.513	0.020	mg/L	0.500		103	70-130			
LCS Dup (B000481-BSD1)				Prepared: 01/12/06 Analyzed: 01/24/06						
Manganese (Mn)	0.517	0.020	mg/L	0.500		103	70-130	0	20	

Metals in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000481 - EPA 3010A										
Blank (B000481-BLK1)				Prepared: 01/12/06 Analyzed: 01/24/06						
Magnesium (Mg)	ND	0.10	mg/L							
LCS (B000481-BS1)				Prepared: 01/12/06 Analyzed: 01/24/06						
Magnesium (Mg)	0.530	0.10	mg/L	0.500		106	70-130			
LCS Dup (B000481-BSD1)				Prepared: 01/12/06 Analyzed: 01/24/06						
Magnesium (Mg)	0.499	0.10	mg/L	0.500		100	70-130	6	20	

Nitrate in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000501 - NO PREP										
Blank (B000501-BLK1)				Prepared: 01/17/06 Analyzed: 01/18/06						
Nitrate	ND	0.10	mg/L							
LCS (B000501-BS1)				Prepared: 01/17/06 Analyzed: 01/18/06						
Nitrate	2.03	0.10	mg/L	2.00		102	80-120			
LCS Dup (B000501-BSD1)				Prepared: 01/17/06 Analyzed: 01/18/06						
Nitrate	1.93	0.10	mg/L	2.00		96	80-120	5	20	

Sulfate in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000501 - NO PREP										
Blank (B000501-BLK1)				Prepared: 01/17/06 Analyzed: 01/18/06						
Sulfate as SO4	ND	0.10	mg/L							
LCS (B000501-BS1)				Prepared: 01/17/06 Analyzed: 01/18/06						
Sulfate as SO4	2.10	0.10	mg/L	2.00		105	80-120			
LCS Dup (B000501-BSD1)				Prepared: 01/17/06 Analyzed: 01/18/06						
Sulfate as SO4	2.00	0.10	mg/L	2.00		100	80-120	5	20	

Notes and Definitions

M	The TPH Gasoline result consists primarily of Methyl Tertiary Butyl Ether (MTBE).
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference

Analytical Sciences
P.O. Box 750336, Petaluma, CA 94975-0336
110 Liberty Street, Petaluma, CA 94952
(707) 769-3128

CHAIN OF CUSTODY

LAB PROJECT NUMBER: 6011706
SCS ENGINEERS PROJECT NAME: JE McCAFFERY
SCS ENGINEERS PROJECT NUMBER: 01203335.00

CLIENT INFORMATION		BILLING INFORMATION	
COMPANY NAME:	SCS ENGINEERS	CONTACT:	JIM McCAFFERY
ADDRESS:	3645 WESTWIND BOULEVARD	COMPANY NAME:	JE McCAFFERY CO.
	SANTA ROSA, CA 95403	ADDRESS:	365 TODD ROAD SANTA ROSA, CA 95407
CONTACT:		PHONE#:	707-769-4412
PHONE#:	(707) 546-9461	FAX #:	
FAX #:	(707) 544-5769		

TURNAROUND TIME (check one)

MOBILE LAB			
SAME DAY		24 HOURS	
48 HOURS		72 HOURS	
5 DAYS		NORMAL	✓

GEOTRACKER EDF: ___Y ___N
GLOBAL ID:

COOLER TEMPERATURE
ICED °C

COC
PAGE 1 OF 2

ITEM	CLIENT SAMPLE I..D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESV. YES/NO	ANALYSIS: TPH/GAS/BTEX & MTBE EPA 8015M/8020	TPH DIESEL / MOTOR OIL EPA 8015M	VOLATILE HYDROCARBONS EPA 8260 (FULL LIST)	EPA 8260 Full List + Oxy / Fuel Additives	BTEX & OXYGENATES + PB SCAVENGERS EPA 8260B	OXYGENATED FUEL ADDITIVES EPA 8260M	CHLORINATED SOLVENTS	SEMI-VOLATILE HYDROCARBONS EPA 8270	TRPH / TOG SM 5520F / EPA 418.1M	PESTICIDES / PCB'S EPA 8081 / 8141 / 8082	CAM 17 METALS / 5 LUFT METALS	TOTAL LEAD		COMMENTS	LAB SAMPLE #
1	MW-17 D	1-13-06	1615	LIQ	3	YES	✓				✓									6011706	-01
2	MW-19	"	1145	"	"	"	"				"										-02
3	MW-21	"	1520	"	"	"	"				"										-03
4	MW-23	"	1430	"	"	"	"				"										-04
5	MW-26 D	"	1205	"	"	"	"				"										-05
6	MW-30	"	1225	"	"	"	"				"										-06
7	MW-31 D	"	1315	"	"	"	"				"										-07
8	MW-32	"	1100	"	"	"	"				"										-08
9	MW-16 D	1-16-06	0850	"	"	"	"				"										-09
10	MW-25 D	"	0945	"	"	"	"				"										-10
11	MW-29 D	"	1520	"	"	"	"				"										-11

SIGNATURES

RELINQUISHED BY:	Rick Graham	DATE:: 1-16-06	TIME:
RECEIVED BY:		DATE::	TIME:
RELINQUISHED BY:		DATE::	TIME:
RECEIVED BY:		DATE:	TIME:

RECEIVED BY LABORATORY: Mark A. Valentini (SIGNATURE)
DATE: 1/17/06 TIME: 10:27

Analytical Sciences
P.O. Box 750336, Petaluma, CA 94975-0336
110 Liberty Street, Petaluma, CA 94952
(707) 769-3128

CHAIN OF CUSTODY

LAB PROJECT NUMBER: 6011706
SCS ENGINEERS PROJECT NAME: JE McCAFFERY
SCS ENGINEERS PROJECT NUMBER: 01BD3335.00

CLIENT INFORMATION
COMPANY NAME: SCS ENGINEERS
ADDRESS: 3645 WESTWIND BOULEVARD
SANTA ROSA, CA 95403
CONTACT:
PHONE#: (707) 546-9461
FAX #: (707) 544-5769

BILLING INFORMATION
CONTACT: JIM McCAFFERY
COMPANY NAME: JE McCAFFERY CO.
ADDRESS: 365 TODD ROAD
SANTA ROSA, CA 95407
PHONE#: 707-769-4412
FAX #:

TURNAROUND TIME (check one)
MOBILE LAB ____
SAME DAY ____ 24 HOURS ____
48 HOURS ____ 72 HOURS ____
5 DAYS ____ NORMAL ✓

GEOTRACKER EDF: ___Y ___N
GLOBAL ID: ____
COOLER TEMPERATURE: ILED °C
COC
PAGE 2 OF 2

ANALYSIS

ITEM	CLIENT SAMPLE I..D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESV. YES/NO	TPH/GAS/BTEX & MTBE EPA 8015M/8020	TPH DIESEL / MOTOR OIL EPA 8015M	VOLATILE HYDROCARBONS EPA 8260 (FULL LIST)	EPA 8260 Full List + Oxy / Fuel Additives	BTEX & OXYGENATES + PB SCAVENGERS EPA 8260B	OXYGENATED FUEL ADDITIVES EPA 8260M	CHLORINATED SOLVENTS	SEMI-VOLATILE HYDROCARBONS EPA 8270	TRPH / TOG SM 5520F / EPA 418.1M	PESTICIDES / PCB'S EPA 8081 / 8141 / 8082	CAM 17 METALS / 5 LUFT METALS	TOTAL LEAD	* NATURAL ATTENUATION	* COMMENTS	LAB SAMPLE #
1	MW-34	1-16-06	1125	LIQ	3	YES	✓				✓									6011706	-12
2	MW-35D		1040		3	YES	✓				✓										-13
3	MW-7		1235		7	Y/N													✓		-14
4	MW-8		1115																		-15
5	MW-10		0900																		-16
6	MW-27		0800																		-17
7	MW-28		1400																		-18
8	MW-33	↓	1000	↓	↓	↓	↓				↓								↓	▼	-19
9																					
10																					
11																					

* COMMENTS: ph, ORP, SULPHATE, NITRATE, Fe, ALKALINITY, DISSOLVED CO_2, Mn, ~~Mg~~, CH_4

SIGNATURES

RELINQUISHED BY: Rick Errion	DATE:: 1-16-06	TIME:	
RECEIVED BY:	DATE::	TIME:	RECEIVED BY LABORATORY: Mark A. Valentine
RELINQUISHED BY:	DATE::	TIME:	SIGNATURE
RECEIVED BY:	DATE:	TIME:	DATE: 1/17/06 TIME: 10:27